

October 2001

ARM Facilities Newsletter

ANL/ER/NL-01-10



Diffuse Shortwave Intensive Observation Period

The Diffuse Shortwave IOP ran from September 23 to October 12, 2001. During this IOP, Joe Michalsky (The State University of New York-Albany) and Tom Stoffel (National Renewable Energy Laboratory) deployed approximately 15 radiometers of various designs and manufacturers on the SGP Radiometer Calibration Facility. The purpose was to compare the accuracy of the radiometers for diffuse shortwave measurements. The Scripps Institution of Oceanography and Yankee Environmental Systems also participated in the IOP.



Figure 1. An array of solar radiometers atop the SGP Calibration Facility at the SGP central site during the Diffuse Shortwave IOP.

ARM Facilities Newsletter is published by Argonne National Laboratory, a multiprogram laboratory operated by The University of Chicago under contract W-31-109-Eng-38 with the U.S. Department of Energy.

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Figure 2. A participant in the Diffuse Shortwave IOP makes adjustments to an instrument.

SuomiNet Installations Completed

The installation of all SuomiNet equipment has been completed at 15 extended facility locations. Six of these stations are currently online and providing data to the SuomiNet project. SuomiNet is a university-based, real-time national global positioning system (GPS) network for atmospheric research and education. (See June 2000 issue of the ARM SGP Newsletter.) The network uses GPS to measure atmospheric moisture. To view real-time data from ARM sites, please visit this web site: <http://www.gst.ucar.edu/gpsrg/realtime.html>



Figure 3. An installed SuomiNet monument. The GPS antenna is mounted at the top of the carbon-fiber-reinforced concrete pier.